CODE 1 -- OFFENSIVE/URGENT
CODE 2 -- DEFENSIVE/URGENT
CODE 3 -- OFFENSIVE/NORMAL
CODE 4 -- DEFENSIVE/NORMAL

DISCLOSURES UNDER CONSIDERATION
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22 NOVEMBER 1978

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**756 :T "LITETRONIC" CIGARETTE INSPECTION DEVICE/10-14-76
:I T. CUMMINS
:C INSTRUMENT
:D LOUISVILLE/MANUFACTURING ENGINEERING/MISCELLANEOUS

:A THE "LITETRONIC" IS AN ELECTRONIC CIGARETTE INSPECTION DEVICE
:A FOR CIGARETTE PACKING MACHINERY. IT IS DESIGNED TO INSPECT FOR
:A LOOSE ENDS, MISSING FILTERS, AND MISSING CIGARETTES IN AN
:A ARRANGED BUNDLE.

:S AIP/AWAITING REVIEW AT LOUISVILLE ON THE BASIS OF PROTOTYPE
:S UNIT RECENTLY COMPLETED

**772 :T RELATIVE HUMIDITY INSTRUMENT/4-5-77
:I T. NEWMAN
:C INSTRUMENT + MOISTURE METER
:D R&D/TOBACCO SERVICES DIVISION/GANNON/OSMALOV

:A UTILIZES MICROWAVE MOISTURE MEASUREMENT OF NATURAL PRODUCT TO
:A DETERMINE R.H. OF ENVIRONMENT.

:S GMJS/9-16-77 SEARCH COMPLETED ON PM DATA BASE; EXPERIMENTS
:S UNDERWAY TO DEVELOP EXAMPLES

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**785 :T IMPROVED DILUTION UNIFORMITY OF VENTED FILTER TIP CIGARETTES
:T 8-16-77
:I L. MEYER AND W. HOUCK, JR.
:C FILTER + METHOD + WRAPLESS PLUG
:D R&D/NEW CIGARETTE PRODUCTS DIVISION/GANNON/MEYER

:A WRAPLESS ACETATE FILTER PLUGS ARE PROPOSED FOR BOTH VENTED AND
:A UNVENTED FILTER CIGARETTES. FOR THE UNVENTED FILTERS, THE
:A ADVANTAGE IS SIMPLIFICATION AND ELIMINATION OF PROBLEMS WITH
:A THE WRAP, HENCE INCREASED EFFICIENCY OF PRODUCTION. FOR
:A VENTILATED FILTERS, MORE UNIFORM DILUTION AND A REQUIREMENT OF
:A FEWER VENT HOLES IN THE TIPPING PAPER ARE SEEN.

:S GMJS/AWAITING FURTHER DISCLOSURE DETAILS

**786 :T FILTER MATERIAL/8-18-77
:I G. KERITSIS
:C FILTER + METHOD + FOAM OR EXTRUDATE
:D R&D/TOBACCO MATERIALS DEVELOPMENT DIVISION/GANNON/BURNS

:A POROUS OR FOAM FILTER ROD IS EXTRUDED FROM DEFATTED PROTEIN.
:A ALTERNATIVELY, PROTEIN FIBER TOW CAN BE EXTRUDED.

:S GEI/PM DATA BASE SEARCH COMPLETED; 6-23-78 ADDITIONAL INFORMATION
:S REQUESTED FROM INVENTOR

**792 :T TIPPING PAPER PERFORATION BY ULTRASONIC POWER/10-24-77
:I G. MATHE, J. NAMESNY, AND A. GERGELY
:C PAPER + PERFORATING TIPPING
:D R&D/NEW CIGARETTE PRODUCTS DIVISION/GANNON/MEYER

:A VERY HIGH SPEED PERFORATION ACCOMPLISHED BY ULTRASONIC-
:A POWERED TOOL.

:S GMJS/6-12-78 SEARCH RECEIVED FROM OUTSIDE FIRM--TO INVENTOR
:S FOR REVIEW; CLOSE PRIOR ART

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**793 :T PAPER SLITTING BY ULTRASONIC POWER/10-24-77
:I G. MATHE AND J. NAMESNY
:C PAPER + CUTTING
:D R&D/NEW CIGARETTE PRODUCTS DIVISION/GANNON/MEYER

:A PAPER PASSED BETWEEN GROOVED ROLL AND ULTRASONIC-POWERED TOOL.

:S GMJS/6-12-78 SEARCH RECEIVED FROM OUTSIDE FIRM--TO INVENTORS FOR
:S REVIEW

**794 :T MICROWAVE/GAS CHROMATOGRAPHY/10-24-77
CODE 3 :I D. WATSON
:C ELECTRICAL + MICROWAVE
:D R&D/ANALYTICAL DIVISION/OSDENE/WILL

:A MICROWAVE SPECTROSCOPY FOR SELECTIVE DETECTION OF COMPONENTS
:A ELUTING FROM A GAS CHROMATOGRAPH.

:S GMJS/RELATED TO PM 795; 2-15-78 SEARCH COMPLETED; AWAITING
:S FURTHER EVALUATION BY INVENTOR

**795 :T MICROWAVE/GAS CHROMATOGRAPHY/10-24-77
CODE 3 :I D. WATSON
:C ELECTRICAL + MICROWAVE
:D R&D/ANALYTICAL DIVISION/OSDENE WILL

:A MICROWAVE ENERGY SOURCE SELECTIVELY VAPORIZED COMPONENTS FOR
:A FURTHER SEPARATION BY GC.

:S GMJS/RELATED TO PM 794; 2-15-78 SEARCH COMPLETED--BEING STUDIED
:S BY INVENTOR

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**796 :T BIOSYNTHESIS OF A TOBACCO FLAVORANT OR TOBACCO SMOOTHER--
CODE 1 :T FERMENTED TOBACCO/10-28-77
:I B. SEMP, D. TENG, AND S. TENHET
:C MICROORGANISMS + FERMENTATION + FLAVOR
:D R&D/BIOMATERIALS SCIENCE GROUP/FARONE/TENG

:A BIOSYNTHESIS OF TOBACCO FERMENTATION FLAVORANTS BY MICRO-
:A ORGANISMS. ADVANTAGES INCLUDE USE ON UNFERMENTED TOBACCO AND LOW
:A DELIVERY CIGARETTES. IN ADDITION, IT IS MORE RAPID THAN CONVEN-
:A TIONAL TOBACCO FERMENTATION PROCEDURESS.

:S SAH/8-78 PRELIMINARY SEARCH COMPLETED ON PM DATA BASE

**799 :T METHOD FOR PREVENTING ADHESIVE BLEED THROUGH/11-7-77
:I W. NICHOLS
:C MECHANICAL
:D R&D/NEW CIGARETTE PRODUCTS DIVISION/GANNON/MEYER

:A MECHANISM RAISES THE PLUGWRAP WHEN MACHINE TURNED OFF,
:A REMOVES FROM CONTACT WITH HOT MELT APPLICATOR.

:S GMJS/AWAITING FURTHER DATA

**800 :T LIPID REMOVAL FROM GREEN TOBACCO/11-10-77
CODE 2 :I B. SEMP AND D. TENG
:C ENZYME + REMOVAL OF UNDESIRABLE COMPONENT
:D R&D/BIOMATERIALS SCIENCE GROUP/FARONE/TENG

:A GREEN TOBACCO IS TREATED WITH A LIPASE ENZYME TO REMOVE LIPIDS.
:A THE "GREEN" ODOR IS ELIMINATED AND SMOKING QUALITY IMPROVED.

:S SAH/8-78 PRELIMINARY SEARCH COMPLETED ON PM DATA BASE

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**803 :T RHEOMETER/11-23-77
:I G. MATHE
:C INSTRUMENT
:D R&D/NEW CIGARETTE PRODUCTS DIVISION/GANNON/MEYER

:A A SPECIAL CONSTRUCTION PERMITS INCORPORATION OF FOAMING AGENT
:A INTO POLYMER IN THE RHEOMETER FOR DETERMINATION OF RHEOLOGICAL
:A PROPERTIES OF THE FOAMED MATERIAL.

:S GMJS/6-13-78 SEARCH RECEIVED FROM OUTSIDE FIRM

**806 :T EXTRUDER AUTOMATIC ROD CIRCUMFERENCE CONTROL/12-7-77
INACTIVE:I L. CHAMBERLAIN, T. CUMMINS, AND A. HALL
:C INSTRUMENT
:D LOUISVILLE/MANUFACTURING ENGINEERING/MISCELLANEOUS

:A DESIGNED TO MAINTAIN A PREDETERMINED CIRCUMFERENCE OF A HOLLOW
:A EXTRUDED ROD. ROD MAY OR MAY NOT CONTAIN POROUS MATERIAL.
:A SYSTEM CONSISTS OF MONOMETER CIRCUMFERENCE INSPECTION DEVICE
:A WHICH DETECTS THE CIRCUMFERENCE BY BACK PRESSURE FROM A SENSING
:A MOUTH PIECE WITH A FIXED DIAMETER. THIS MONOMETER CIRCUMFERENCE
:A DEVICE SENDS A LOW VOLTAGE SIGNAL TO START A MOTOR IN A FORWARD
:A OR REVERSE DIRECTION UPON SENSING A HIGH OR LOW LEVEL PRESSURE
:A READING. THIS DRIVE MOTOR OPENS OR CLOSES A NEEDLE VALVE WHICH
:A REGULATES THE AMOUNT OF VACUUM DRAWN ON THE INSIDE OF THE
:A EXTRUDED ROD. IT IS INTERLOCKED TO ADJUST ONLY IN THE AUTOMATIC
:A MODE AND ONLY WHEN AN EXTRUDED ROD IS PRESENT IN THE SENSING
:A MOUTHPIECE. THERE IS ALSO A TIMER IN THE SYSTEM TO REGULATE THE
:A FREQUENCY AND DURATION OF ADJUSTMENTS SO THAT THE DELAY TIME FROM
:A POINT OF ADJUSTMENT TO POINT OF INSPECTION DOES NOT CAUSE OVER
:A RUN OR OVER CORRECTION OF THE EXTRUDED ROD.

:S GMJS/10-10-78 INACTIVATED--VERY CLOSE ART, SYSTEM NOT TO BE USED

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**815 :T 100 VDC ENDS DETECTOR/2-23-78
INACTIVE:I E. CASHWELL
:C INSTRUMENT + DETECTOR
:D MANUFACTURING ENGINEERING/PASQUINE

:A APPLIES 100 VOLTS TO A STANDARD ENDS DETECTOR. PERSONNEL SAFETY
:A IS MAINTAINED BY LIMITING CURRENT TO 1 MILLIAMP OR LESS. ONE
:A MILLIAMP IS BARELY PERCEPTIBLE TO MOST PEOPLE, AND IS NOT CON-
:A SIDERED A HAZARD IN THE ELECTRICAL INDUSTRY. ONE SIDE OF THE
:A ENDS DETECTOR IS GROUNDED, AND THE SIGNAL LEAD IS CONNECTED
:A TO THE OTHER TERMINAL. THE SIGNAL CURRENT IS AMPLIFIED BY
:A A TWO TRANSISTOR SWITCHING AMPLIFIER THAT DRIVES AN EXISTING ENDS
:A DETECTOR RELAY.

:S GMJS/10-10-78 INACTIVATED BECAUSE FIRST PUBLIC USE WAS ON 2-6-76

**817 :T CIGARETTE CARTON/3-6-78
INACTIVE:I C. CRABILL
:C PACKAGING + CARTONS
:D MANUFACTURING ENGINEERING/PASQUINE

:A A SAMPLE FOLDING BOX BLANK IS SUPPLIED WITH THIS DISCLOSURE.
:A THIS BLANK INCORPORATES FEATURES THAT ARE DESIGNED TO RESULT
:A IN AN AIR-TIGHT CONFIGURATION ON FOLD-UP WITH FLAPS ADHERED
:A TO EACH OTHER. THE CONTEMPLATED MATERIAL IS CONVENTIONAL-
:A THICKNESS BOX BOARD THAT IS COATED ON ONE OR BOTH SIDES WITH
:A AIR-IMPERVIOUS MATERIAL.

:S GMJS/10-11-78 INACTIVATED--NONINFRINGING BUT NOT TO BE USED

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**818 :T CONVENTIONAL DILUTION CIGARETTE CONTAINING SINGLE OR SEVERAL
CODE 1 :T ROWS OF VENTS PLACED TOGETHER ON NARROW SYMMETRICAL BAND/3-8-78
:I A. KASSMAN AND W. GEISZLER, JR.
:C FILTER + VENTILATED
:D R&D/NEW CIGARETTE PRODUCTS DIVISION/PHYSICAL RESEARCH DIVISION
:D FARONE/GANNON/LOWITZ/MEYER

:A RELATES TO ACTUAL BENEFITS DERIVED FROM LOCATING THE VENT
:A ROWS ON A NONSYMMETRIC PATTERN ALONG THE FILTER. UNDER
:A CERTAIN ADVANTAGEOUS DESIGN CONDITIONS RELATING TO THE
:A RTD OF THE ROD AND FILTER AND THE AMOUNT OF DILUTION, THE
:A POSITION OF THE VENT ROWS CAN BE ESPECIALLY SELECTED TO
:A ALLOW MAXIMUM FLEXIBILITY IN SETTING THE CIGARETTE RTD
:A WITHOUT SIMULTANEOUSLY AFFECTING THE DILUTION OR THE TAR
:A DELIVERY.

:S GEI/AWAITING MORE INFORMATION

**827 :T PRESSED GREEN BRIGHT TOBACCO LEAVES/4-17-78
:I G. BOKELMAN
:C TOBACCO TREATMENT
:D R&D/TOBACCO MATERIALS DEVELOPMENT DIVISION/GANNON/BURNS

:A FRESH GREEN TOBACCO LEAVES ARE PLACED BETWEEN 2 BELTS (OF
:A FELT, NYLON, ETC.) AND RUN BETWEEN 2 METAL ROLLERS
:A AT ABOUT 650 LBS/INCH PRESSURE. THE EXPRESSED JUICES ARE
:A COLLECTED FOR FURTHER PROCESSING BEFORE BEING REAPPLIED TO
:A THE PRESSED LEAVES. THE STEMS ARE COMPLETELY FLATTENED BY
:A THIS PROCESS BUT ARE NOT SHREDDED. ADVANTAGES: (1) THE
:A PROTOPLASMIC JUICES ARE REMOVED FROM GREEN TOBACCO LEAVES
:A WITHOUT HOMOGENIZATION; (2) THIS PROCESS PROVIDES GREAT
:A FLEXIBILITY FOR CONTROLLING THE CHEMICAL COMPOSITION OF THE
:A TOBACCO; (3) THE EXPRESSED JUICES CAN BE PROCESSED TO
:A SELECTIVELY REMOVE SOLUBLE PROTEIN, POTASSIUM NITRATE,
:A PHENOLS, CHLOROPHYLL, NICOTINE, STARCH, FREE AMINO ACIDS, ETC.
:A AS BY-PRODUCTS; (4) THE TOBACCO WILL NOT NEED TO BE
:A THRESHED; (5) ALTHOUGH TOBACCO TREATED BY THIS PROCESS WILL
:A BE SUBJECTED TO AN "ARTIFICIAL" CURING STEP, IT WILL
:A HAVE FORM, COLOR, AND HANDLING CHARACTERISTICS SIMILAR TO
:A CONVENTIONALLY CURED TOBACCOS; (6) THIS PROCESS OFFERS A
:A POTENTIAL ENERGY SAVINGS IN THE REMOVAL OF WATER FROM GREEN
:A TOBACCO; (7) THE PRESSED LEAVES, AFTER RECOMBINATION WITH
:A PROCESSED EXPRESSED JUICES, CAN BE FERMENTED IN ORDER
:A TO DEVELOP UNIQUE SUBJECTIVE CHARACTERISTICS, ETC.; (8) THE
:A EXPRESSED JUICES, EITHER WITH OR WITHOUT PROCESSING, CAN BE
:A USED AS A MEDIUM FOR FERMENTATION TO PRODUCE TOBACCO FLAVOR
:A COMPONENTS.

:S SAH/7-78 PRELIMINARY SEARCH COMPLETED ON PM DATA BASE AND
:S RESULTS REPORTED TO INVENTOR; AWAITING EXAMPLES

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**829 :T ON-LINE QUANTITATION OF PLASTICIZER IN FILTER RODS/4-24-78
:I D. WATSON AND W. HARVEY
:C INSTRUMENT
:D R&D/ANALYTICAL DIVISION/OSDENE/WILL

:A THE DEVICE WOULD PROVIDE FOR MEASUREMENT OF ABSORBED ENERGY AT
:A SELECTED MICROWAVE FREQUENCIES AS THIS ENERGY IS DIRECTED THROUGH
:A THE FILTER RODS ON A MAKER. THESE MEASUREMENTS, ONCE CALIBRATED
:A AGAINST PLASTICIZER CONTENT OF THE FILTER MATERIAL, WOULD BE
:A USED THROUGH A FEED-BACK CIRCUIT TO CONTROL THE AMOUNT OF
:A PLASTICIZER ADDED.

:S GMJS/CLOSE PM PRIOR ART; AWAITING FURTHER DEVELOPMENT

**830 :T MEANS FOR FLAVORING LOW TAR CIGARETTE FILLER AND NONTOBACCO
INACTIVE:T SMOKING MATERIALS/4-25-78
:I L. MORGAN
:C FLAVOR
:D R&D/FLAVOR DEVELOPMENT DIVISION/GANNON/DAYLOR

:A CERTAIN CYCLOPENTENONE FLAVORING COMPOUNDS ARE DISCLOSED.

:S SAH/11-6-78 INACTIVATED

**831 :T VACUUM SENSITIVE ROD CIRCUMFERENCE MONITOR/5-15-78
:I D. LASLIE
:C INSTRUMENT
:D R&D/NEW CIGARETTE PRODUCTS DIVISION/GANNON/MEYER

:A IN INSTANCES WHERE A TRANSVECTOR JET IS DESIRABLE IN A FILTER
:A MAKING OPERATION, THE VACUUM INDUCED AT THE INLET OF
:A THE ORIFICE CAN BE SAMPLED AND RECORDED, WITH THE VALUE
:A VARYING WITH THE CIRCUMFERENCE OF THE ROD WHICH PASSES
:A THROUGH IT.

:S GMJS/9-8-78 SEARCH RECEIVED FROM OUTSIDE FIRM; CLOSE ART BEING
:S STUDIED

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**833 :T INCREASING THE FILLING POWER OF RECONSTITUTED TOBACCO
CODE 3 :T MATERIAL WITH FORMALDEHYDE/5-15-78
:I J. BANYASZ
:C RECONSTITUTED
:D R&D/BIOMATERIALS SCIENCE GROUP/FARONE/HOELZEL

:A FILLING POWER OF RL INCREASED AS A RESULT OF CROSSLINKING WITH
:A FORMALDEHYDE. SHREDDED RL IN A SEALED CHAMBER WITH AN AQUEOUS
:A FORMALDEHYDE SOLUTION. FORMALDEHYDE VAPOR PENETRATES THE RL.
:A THE MATERIAL MAY BE SUBJECTED TO A HEAT-CURING STEP.

:S GEI/BEING EVALUATED

**834 :T IMPROVED FLAVOR FOR RECONSTITUTED TOBACCO/5-17-78
:I D. KEEL
:C RECONSTITUTED
:D R&D/FLAVOR DEVELOPMENT DIVISION/GANNON/DAYLOR

:A IN THE MANUFACTURE OF RECONSTITUTED TOBACCO BY THE PAPER-MADE
:A PROCESS, IN WHICH THE SOLUBLES ARE CONCENTRATED AND RETURNED TO
:A THE SHEET, IT WAS FOUND THAT HEATING THE CONCENTRATED SOLUBLES
:A WITH OR WITHOUT ADDITIVES TO A TEMPERATURE OF ABOUT 175 DEGREES
:A F FOR A PERIOD OF ABOUT 30 TO 60 MINUTES OR LESS BEFORE RECOM-
:A BINATION WITH THE SHEET RESULTED IN AN IMPROVED FLAVOR OF THE
:A PRODUCT MAKING IT MORE TOBACCO-LIKE. THIS "PASTEURIZATION" PRO-
:A CESS RESULTS IN A DARKER COLORED SHEET, MORE DESIRABLE FLAVOR,
:A AND PREVENTS "SOURING" OR SOLIDIFYING OF THE CONCENTRATED
:A SOLUBLES OR VISCOSITY BUILD-UP BEFORE RECOMBINATION.

:S SAH/CLOSE ART IN US 720830 TO MARSDEN WHO HEATS TOBACCO EXTRACT
:S TO 250 DEGREES C OR HIGHER

**835 :T IMPROVED FLAVOR FOR RECONSTITUTED TOBACCO/5-17-78
:I D. KEEL
:C RECONSTITUTED
:D R&D/FLAVOR DEVELOPMENT DIVISION/GANNON/DAYLOR

:A IN THE MANUFACTURE OF RECONSTITUTED TOBACCO BY THE PAPER-MADE
:A PROCESS, IN WHICH THE SOLUBLES ARE CONCENTRATED AND RETURNED TO
:A THE SHEET, IT WAS FOUND THAT THE ADDITION OF AMMONIA TO THE
:A SOLUBLES EITHER WITH OR WITHOUT HEAT AND/OR WITH OR WITHOUT OTHER
:A ADDITIVES BEFORE RECOMBINATION WITH THE SHEET RESULTED IN AN
:A IMPROVED FLAVOR OF THE PRODUCT MAKING IT MORE TOBACCO-LIKE.

:S SAH/11-77 SEARCH COMPLETED

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**836 :T BONDING OF POLYPROPYLENE WRAP TO ITSELF BY LASER IRRADIATION
CODE 1 :T 5-23-78
:I W. FARONE, A. LILLY, JR., P. MARTIN, AND W. CLAFLIN
:C PACKAGING
:D R&D/APPLIED REAEARCH/PHYSICAL RESEARCH DIVISION/FARONE/LOWTIZ

:A TECHNIQUES FOR BONDING TWO SHEETS TOGETHER AT HIGH SPEED USING
:A FOCUSSED (2" FOCAL LENGTH) CO2 LASER BEAM. BONDED AREA AROUND
:A 0.008" DIAMETER. WITH REFLECTING FOIL BENEATH THE WRAPS SPEED
:A FOR BONDING WAS 590 FT/MIN WITH 40-60 WATTS POWER.

:S GMJS/7-28-78 SEARCH RECEIVED FROM OUTSIDE FIRM--TO FARONE FOR
:S EVALUATION; AWAITING FINAL DISCLOSURE DETAILS

**837 :T FRACTIONATION OF STANDARD PUFF OF SMOKE FROM A CIGARETTE/5-30-78
:I R. NEWMAN, W. JONES, AND R. JENKINS, JR.
:C MECHANICAL
:D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON

:A SYSTEM IS DESIGNED TO SPREAD THE TPM AROUND THE EDGE OF A CAM-
:A BRIDGE PAD. THE PURPOSE FOR SUCH A METHOD OF COLLECTION IS THAT
:A VARIOUS PORTIONS OF A 2-SECOND PUFF CAN BE SEPARATED,
:A ESPECIALLY USEFUL WHEN ISOTOPES, EITHER RADIOACTIVE OR STABLE,
:A ARE INCORPORATED INTO THE FILLER. THE SEPARATION WOULD
:A ASCERTAIN AT WHICH POINT IN THE PUFF THE ADDED MATERIALS ARE

:S ELUTED.
:S GEI/BEING EVALUATED

**839 :T IMPROVEMENTS RELATED TO SMOKING ARTICLES/6-13-78
:I C. KOUNNAS
:C PAPER
:D R&D/FLAVOR DEVELOPMENT DIVISION/GANNON/DAYLOR

:A COOLING COMPOUNDS ADDED TO ROD PAPER FOR EVEN DELIVERY THEREOF

:S SAH/CLOSE PRIOR ART

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**840 :T METHOD FOR REDUCING CO DELIVERY IN NONFILTERED CIGARETTES/6-23-78
:I R. IKEDA
:C FILTER
:D R&D/FLAVOR DEVELOPMENT DIVISION/GANNON/DAYLOR

:A CIGARETTES ARE MADE WITH A FLUTED PLASTIC FILTER ON WHICH THE
:A CA SECTION IS BLOCKED SO THAT SMOKE MUST PASS IN THE FLUTES NEXT
:A TO THE CIGARETTE PAPER ALLOWING BETTER POSSIBLE DIFFUSION OF CO
:A OUT OF THE CIGARETTE PAPER. REDUCTION OF 15% CO DELIVERY WAS
:A OBSERVED WHEN COMPARED WITH REGULAR COMMANDER CIGARETTE IN
:A WHICH 45 MM OF TOBACCO WERE SMOKED IN BOTH CIGARETTES. MAY ALSO
:A BE APPLIED TO FILTERED CIGARETTES

:S GMJS/AWAITING TESTS BY INVENTORS TO DEVELOP METHOD; CLOSE ART

**842 :T NON-FILTERING BAFFLE MOUTHPIECE/7-10-78
:I R. DWYER AND M. FLEMING
:C FILTER
:D R&D/PHYSICAL RESEARCH DIVISION/FARONE/LOWITZ

:A THE EFFECTS OF THE EXIT SMOKE DELIVERY PATTERNS ON THE RESPONSE
:A OF SMOKERS HAVE BEEN INVESTIGATED. PLASTIC BAFFLES WERE
:A ATTACHED TO CIGARETTES WHICH VARIED IN TAR DELIVERY TO
:A DRASTICALLY ALTER THE AEROSOL DELIVERY CONFIGURATIONS, AND IN
:A EVERY CASE IN-HOUSE PANELS COULD PERCEIVE THESE DIFFERENCES.
:A AT 5 MG THEY UNANIMOUSLY FAVORED A NARROW, WELL-
:A COLLIMATED SMOKE STREAM.

:S GEI/BEING EVALUATED; 10-78 PM DATA BASE SEARCH COMPLETED--
:S CONSIDERABLE ART

**843 :T CONTAINER FOR CIGARETTES/7-31-78
:I R. TOIMIL
:C PACKAGING
:D PM EUROPE/FTR/MISCELLANEOUS
:S AIP/INFORMATION ONLY

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**844 :T PROCESS FOR CHEMICALLY PULPING TOBACCO MATERIALS FOR SHEET MAKING
:T 8-1-78
:I A. KELLER AND G. BOKELMAN
:C TOBACCO TREATMENT

:A BURLEY STEMS ARE EXTRACTED WITH WATER, THEN SUBJECTED TO A
:A SHORT PERIOD OF REFLUX IN ABOUT 25% AQUEOUS POTASSIUM HYDROXIDE
:A SOLUTION. THE STEMS ARE NEXT WASHED AND SUBSEQUENTLY TREATED WITH
:A STEAM AT ABOUT 115 PSI AND 167 DEGREES C FOR A FEW MINUTES. THE
:A STEMS MAY THEN BE ADEQUATELY DEFIBRILATED MERELY BY GENTLE
:A STIRRING; I.E., WITHOUT ANY MECHANICAL REFINING. LONG, THIN
:A FIBERS, WHICH CANNOT BE MADE BY MECHANICAL REFINING ARE PRODUCED
:A BY THIS INVENTION.

:S SAH/8-11-78 PRELIMINARY SEARCH RESULTS SENT TO INVENTORS;
:S CLOSE PRIOR ART IN ALKALINE PULPING OF TOBACCO

**847 :T METHOD FOR APPLYING POWDERS TO TOBACCO/9-14-78
:I W. NICHOLS
:C MECHANICAL + TREATMENT OF TOBACCO
:D R&D/NEW CIGARETTE PRODUCTS DIVISION/GANNON/MEYER

:A METHOD FOR APPLYING POWDEROUS MATERIALS TO TOBACCO DURING
:A MAKING. DIRECTS AN AIRSTREAM CONVEYING POWDEREOUS MATERIAL
:A TO A POINT OF APPLICATION THAT WILL PRODUCE A MINIMUM LOSS OF
:A MATERIAL.

:S AIP/NOT ASSIGNED

**848 :T ENTEROBACTER AEROGENES/8-4-78
:I H. GAISCH AND U. NYFFELER
:C MICROORGANISMS
:D PM EUROPE

:A (ENGLISH TRANSLATIONS NOT YET RECEIVED.)

:S SAH/RELATED TO PM 790; 10-5-78 SENT TO LENDVAY FOR TRANSLATION

2005115929

Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**849 :T POLYMERS FOR IMPROVING FLAVOR AND AROMA OF SMOKE/9-29-78
:I H. GRUBBS, T. VAN AUKEN, AND W. JOHNSON, JR.
:C FLAVOR + POLYMER
:D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON

:A POLYMERS OF UNSATRUATED ALIPHATIC, AROMATIC CARBONATES CAN BE
:A PREPARED IN WAYS SIMILAR TO THE PREPARATIONS OF UNSATURATED ,
:A ALIPHATIC, ALIPHATIC CARBONATES AS DISCLOSED IN PM 687. THESE
:A POLYMERS, WHEN ADDED TO CIGARETTE FILLER, ON SMOKING LIBERATE
:A PHENOLICS TO THE SMOKE STREAM, WHICH IMPROVE THE FLAVOR AND AROMA
:A OF THE SMOKE.

:S SAH/11-6-78 EXAMPLES BEING PREPARED; URGENT TO GET ON FILE

**850 :T POLYMERS OF NICOTINE AND NICOTINE ANALOGUES/9-29-78
:I W. JOHNSON, JR.
:C FLAVOR + POLYMER
:D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON

:A POLYMERS OF NICOTINE ANALOGUES AND OF NICOTINE ITSELF, WHICH
:A POSSESS CARBONATE OR ESTER LINKAGES, ARE TO BE PREPARED FROM
:A SUITABLE SUBSTITUTED NICOTINES VIA CONDENSATION REACTIONS. THE
:A POLYMERS WOULD CONSIST OF NICOTINE MOIETIES, MOIETIES OF SUB-
:A STITUTED NICOTINES JOINED BY ESTER LINKAGES OR OF NICOTINIC
:A ESTERS THAT HAVE BEEN CONDENSED WITH APPROPRIATE DIOLS, WHICH MAY
:A OR MAY NOT BE NICOTINIC IN CHARACTER BUT WHICH IN COMBUSTION
:A AND/OR PYROLYSIS WILL YIELD NICOTINE AND PRODUCTS THAT DO NOT
:A ADVERSELY AFFECT CIGARETTE SMOKE.

:S SAH/11-6-78 SEARCH DONE--TO INVENTORS FOR REVIEW

**851 :T SOLANESOL ANALOGUES AND ESTERS THEREOF FOR APPLICATION TO
:T CIGARETTE FILLER/9-29-78
:I W. JOHNSON, JR. AND H. GRUBBS
:C FLAVOR
:D R&D/CHEMICAL RESEARCH DIVISION/OSDENE/JOHNSON

:A SOLANESOL ANALOGUES AND ESTERS THEREOF ARE TO BE APPLIED TO
:A CIGARETTE FILLER AND SMOKED. IMPROVED SUBJECTIVE RESPONSE SHOULD
:A RESULT. THE EFFICACY SHOULD OPTIMIZE IN THOSE CIGARETTES WHOSE
:A TAR DELIVERIES ARE LOW, I.E., BELOW 9-10 MG WHEN SMOKED BY
:A STANDARD MACHINE METHODS.

:S SAH

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000

**853 :T ALLOWABLE STEM TEST APPARATUS/3-78
INACTIVE:I R. THATCHER
:C MECHANICAL + SEPARATOR
:D MANUFACTURING ENGINEERING/PASQUINE

:A THE INVENTION IS TO BE USED AS A QUALITY CONTROL ALLOWABLE STEM
:A TEST APPARATUS TO SEPARATE THE LAMINAR LEAF FROM THE LEAF WITH
:A STEM SO QC CAN EVALUATE THE STEM SIZE AND CONTENT WITHOUT HAVING
:A TO HAND SORT THE LAMINAR FROM THE LEAF STEM.

:S INACTIVE

**855 :T METHOD OF SPLITTING A CONVERGING LIGHT BEAM INTO MULTIPLE BEAMS
:T 10-18-78
:I P. MARTIN, U. BROOKS, W. CLAFLIN, A. LILLY, AND E. STULTZ
:C PAPER + PERFORATING TIPPING
:D R&D/PHYSICAL RESEARCH DIVISION/LOWITZ/FARONE/MANUFACTURING
:D ENGINEERING/PASQUINE

:A COLLIMATED BEAM IS PREFOCUSSED AND CHOPPED AT THE FOCUS. BOTH
:A TRANSMITTED AND REFLECTED BEAMS ARE SUBDIVIDED BY ANGLED REFLEC-
:A TORS WHOSE POSITION IS ADJUSTABLE TO BALANCE POWER IN THE FINAL
:A BEAMS. A PREFERRED MODE WOULD USE A RAPIDLY DIVERGING BEAM TO
:A ALLOW THE BEAM TO BE MORE EASILY SUBDIVIDED.

:S AIP/NOT ASSIGNED

**856 :T ELECTRON BOMBARDMENT FOR CONTROLLING BEETLE INFESTATION/10-18-78
:I R. DE LA BURDE
:C TOBACCO TREATMENT + MECHANICAL
:D R&D/TOBACCO MATERIALS DEVELOPMENT DIVISION/GANNON/BURNS
:S AIP/AWAITING FURTHER DATA

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Source: https://www.industrydocuments.ucsf.edu/docs/hmwj0000